

### ABSTRACT

Motion blurring of a moving object in an image is mitigated with tracking the moving object. A motion vector detection section detects a motion vector of the moving object moving in an image, which is made up of multiple pixels and acquired by an image sensor having time integration effects, by using image data Dva of the image. A motion-blurring-mitigated object image generation section generates image data DBf of a motion-blurring-mitigated object image in which motion blurring occurred in the moving object in the image is mitigated by using the detected motion vector. A output section combines the image data DBf of the motion-blurring-mitigated object image into a space-time location corresponding to the motion vector detected in the image based on background component image data DBb, to generate image data DVout of the motion-blurring-mitigated image.